

# ONE HEALTH

## Needs Assessment Workshop in Washington State



One Health Needs Assessment Workshop in  
Washington State | March 22-23, 2023 | Ellensburg, WA



## Working Group Discussion Topics—20 total

### Theme: Path Forward for Addressing Antimicrobial Resistance in WA

#### **1. Topic: AMR – understanding contributors and surveillance**

**Subtopic:** Discuss key contributors to AMR in WA, and identify targets for action by Washington OH AMR/AS partners and stakeholders

**Subtopic:** One Health exploration of antimicrobial resistance - what are key surveillance sources, what surveillance is done in WA, should WA surveillance contribute to ongoing national and international surveillance

#### **2. Topic: Joint advocacy for practical implementation of AMR response**

**Subtopic:** Consider whether the future OH AMR/AS efforts should focus on combating AMR (a very large problem), improving antimicrobial stewardship (a more manageable topic), or both with prioritization of AS and limited scope of AMR

**Subtopic:** Consider Minnesota One Health Antibiotic Stewardship Collaborative (MOHASC) as a model for WA

**Subtopic:** Consider how to best implement cross-sector engagement for future antimicrobial resistance-related OH efforts

### Theme: Healthy Ecosystems in WA

#### **3. Topic: Support and sustain biodiversity, minimizing the risks to biodiversity loss on animal wellness \***

**Subtopic:** Control of invasive species

**Subtopic:** Methods to support and sustain biodiversity

**Subtopic:** Impacts of changing biodiversity on animal wellness in the state including insects

**Subtopic:** Cross-sectoral One Health coordination

#### **4. Topic: Support and sustain biodiversity, minimizing the risks to biodiversity on the environment\***

**Subtopic:** Control of invasive species

**Subtopic:** Methods to support and sustain biodiversity

**Subtopic:** Impacts of changing biodiversity on soil and plant health

**Subtopic:** Cross-sectoral One Health coordination

#### **5. Topic: Decrease contaminants and pollutants in the environment, increase cross-sectoral prevention and response efforts**

**Subtopic:** Control of contaminants and pollutants (e.g. PFAS, pesticides, lead)

**Subtopic:** Current surveillance/monitoring efforts

**Subtopic:** Addressing the knowledge gap around PFAS impacts on pets, livestock, and gardens, as well as human exposure from meat, eggs, milk, and garden vegetables/fruit

**Subtopic:** Development of cross-sectoral guidance, cross-sectoral coordination

#### **6. Topic: Monitoring water quality and HABs**

**Subtopic:** HABs surveillance and impact of HABs on human, animal, environmental health

**Subtopic:** Water quality monitoring, runoff, recreational water, etc. for human use

#### **7. Topic: Prioritizing aquatic life wellness**

**Subtopic:** Monitoring aquatic environments for food production quality (e.g., finfish and shellfish), salmon population health.

**Subtopic:** Monitoring water quality of marine environments for animal health (e.g. ocean acidification, algal blooms, temperature)

**Subtopic:** Marine animal and plant health surveillance

**Subtopic:** Cross-sectoral One Health coordination

#### **8. Topic: Coordinating climate change and health and One Health efforts**

**Subtopic:** Current surveillance efforts for climate change impacts on health (e.g. wildfire smoke, flooding, extreme heat)

**Subtopic:** Coordination of efforts with One Health – e.g. vector-borne disease, animals as sentinels, impacts on wildlife environments and ecosystems

**Subtopic:** Data sources for climate and health data, needed research

### **Theme: Cross-sectoral Engagement in WA**

#### **9. Topic: Moving prevention work upstream—Occupational Health Focus**

**Subtopic:** Understanding existing work in occupational health at the human-animal interface

**Subtopic:** Developing culturally and linguistically appropriate health educational materials for persons working at the human-animal interface; joint messaging between agriculture and human health concerning topics such as One Health framework, zoonotic disease, public health, and producer support

**Subtopic:** Building partnerships to support occupational health

## **10. Topic: Moving prevention work upstream—Veterinary/Animal Health Focus**

**Subtopic:** Increase engagement between human and animal healthcare providers

**Subtopic:** Capacity for building partnerships across animal health partners, (e.g. animal control, animal workers, animal-related business, 4H, veterinarians, veterinary entomologists, animal rehabilitation, wildlife, extension offices)

**Subtopic:** One Health guidance and Cross-sectoral One Health coordination

## **11. Topic: Moving prevention work upstream—Public Health Focus**

**Subtopic:** Capacity for expanding and building partnerships with One health partners, including human & public health organizations (e.g. mental health providers, providers for those experiencing homelessness), as well as building partnerships across animal health, (e.g. animal control, animal workers, animal-related business, 4H, veterinarians, veterinary entomologists, animal rehabilitation, wildlife, extension offices)

**Subtopic:** Focus on education and community outreach, culturally and linguistically appropriate materials

**Subtopic:** One Health guidance and Cross-sectoral One Health coordination

## **12. Topic: Small/companion animal surveillance**

**Subtopic:** Increased focus on small animal and companion animals, including urban/suburban farms, for disease prevention and response, e.g., development of a small animal program at WSDA, and other opportunities for partner development

## **13. Topic: Disaster preparedness and response\***

**Subtopic:** Impacts of natural disaster and anthropogenic disasters (e.g. extreme weather events, floods, earthquakes, etc)

**Subtopic:** Managing human-animal bond issues in settings of disasters

**Subtopic:** Capacity for response planning and preparedness

**Subtopic:** Preparation for threats due to impact of climate change, invasive species, and changing condition due to land-use and land-cover changes

**Subtopic:** Cross-sectoral One Health coordination

## **14. Topic: Developing agency One Health strategies**

**Subtopic:** Telling the One Health Story – collaborating on messaging to impact change and develop cohesive messages, and integrating climate change messaging

**Subtopic:** Developing agency or program-level approaches and strategies

## **Theme: Data Optimization in WA**

## **15. Topic: Optimize data systems for tracking and reporting One Health data**

**Subtopic:** Improve data systems to track and report diseases, other health conditions, environmental data, and other One Health data across sectors

Subtopic: Increase production, use and sharing of genomic data across sectors

## **16. Topic: Optimize cross-agency/institution/organization data collaborations**

**Subtopic:** Improve cross-agency data sharing while considering data confidentiality concerns and requirements, including environmental, animal, and human data sharing and accounting for tribal data jurisdiction

**Subtopic:** Cross-sectoral One Health coordination

## **Theme: Improving Zoonotic and Vector-borne Disease Investigation & Response in WA**

## **17. Topic: Improve animal surveillance data practices**

Subtopic: Consider the current capacity for animal health surveillance and pathogen reporting, including both wild and domestic animals

Subtopic: Consider additional data sources for animal disease surveillance data (e.g. hunters, trappers, wildlife rescue, zoologic parks)

Subtopic: Consider active surveillance for emerging disease

## **18. Topic: Improve vector surveillance data practices**

Subtopic: Consider the current capacity for vector surveillance and testing

Subtopic: Improve collaborative efforts between human and veterinary entomology

Subtopic: Consider additional partners/collaborators in vector surveillance work

## **19. Topic: Improve zoonotic and vector-borne disease case investigation efforts**

Subtopic: Consider training and coordination for zoonotic and vector-borne disease case investigations across agencies and sectors

Subtopic: Consider additional data sources for zoonotic and vector-borne disease (e.g. syndromic surveillance, wastewater surveillance)

Subtopic: Consider revision to notifiable conditions list from a One Health perspective and a balanced approach to investigation efforts (e.g. decrease notifiable conditions where little follow-up is possible to increase capacity for prevention work)

## **20. Topic: Pandemic and biosecurity resources and preparation\***

**Subtopic:** Capacity for Pandemic/Outbreak planning (e.g. tabletop exercises, coordinated surveillance across agencies, role of agencies in epidemiologic investigation and laboratory testing)

**Subtopic:** Cross-sectoral One Health coordination

